

# **MANUFACTURING METHOD FOR SEAMLESS BAG**

## **BACKGROUND OF THE INVENTION**

### **(a) Field of the Invention**

5       The invention relates to a manufacturing method for a seamless bag, and more particularly, to a manufacturing method for a seamless and integral handbag, while offering consistent manufacturing process for accelerating production speed of the handbag.

### **(b) Description of the Prior Art**

10       Common handbags are generally made of leather, plastic or fabrics cut out and stitched beforehand. Such handbags formed using stitching have seams with edges and corners, and therefore apparent hemlines usually exist in these handbags manufactured. Yet, the handbags having hemlines are allowed with limited designs only, and  
15       thus lack significant breakthroughs, advancement and variations for being immutable long since.

For those who are fond of changes and pursue the vogue, it is improbable that monotonous outfits and accessories satisfy their needs.

A prior handbag is necessarily cut out before being manufactured, and  
20       then assembled into a body by stitching, with edges of assembly and

hemlines formed as a part of an appearance of the handbag. Thus, the handbag inevitably has too many lines and becomes too complex regarding to the style thereof. However, modern design concepts prefer to perform latest fashions using least lines possible for presenting  
5 a sense of cutting edge, so as to appease those who pursue the vogue. It is only obvious that the prior handbags have drawbacks since failing to achieve the above requirement.

In addition, the prior handbags have to be processed by cutting and stitching, and are relatively slower with respect to manufacturing speed  
10 thereof. Also, most processing is completed manually, and targets including mass production and lowering production cost can hardly be fulfilled.

## **SUMMARY OF THE INVENTION**

In the view of the aforesaid drawbacks of the prior handbags, the  
15 primary object of the invention is to provide manufacturing method for a seamless and integral handbag, such that consistent manufacturing process is also offered for accelerating production speed thereof.

The manufacturing method for a seamless bag according to the invention comprises the steps of: forming yarns by adding an appropriate  
20 amount of setting yarns to natural or chemical fibers; weaving the yarns

into a seamless bag body; accommodating the bag body around a mold having a shape of a bag; heating the mold accommodated by the bag body by means of steam or other heat sources for allowing the bag body to be evenly heated; cooling and setting the heated bag body and the mold by cold air for forming a seamless bag; and stitching and shaping the bag. According to the above manufacturing method, a seamless and integral handbag is completed, while also offering consistent manufacturing process for accelerating manufacturing speed thereof.

#### **BRIEF DESCRIPTION OF THE DRAWINGS**

10 FIG. 1 shows a manufacturing flow chart according to the invention.

FIG. 2 shows an elevational schematic view of the bag body according to the invention.

FIG. 3 shows an exploded schematic view of the bag body accommodated around the mold according to the invention.

15 FIG. 4 shows a schematic view illustrating the bag body being heated and cooled according to the invention.

FIG. 5 shows a schematic view illustrating the bag body being cooled in another embodiment according to the invention.

FIG. 6 shows an elevational schematic view of a completed handbag  
20 according to the invention.

## DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

To better understand the invention, detailed descriptions shall be given with the accompanying drawings hereunder.

Referring to FIG. 1, the invention comprises the steps of:

- 5 a) forming yarns by adding an appropriate amount of setting yarns into natural or chemical fibers;
- b) weaving the yarns into a seamless bag body 10 as shown in FIG. 2;
- c) accommodating the bag body 10 around a mold 20 having a shape of a bag as shown in FIG. 3;
- 10 d) externally heating the mold 20 accommodated by the bag body 10 by means of steams or other heat sources, such that the bag body 10 evenly receives heat from an exterior to an interior as shown in FIG. 4;
- e) cooling the heat mold 20 and the bag body 10 by means of cold air
- 15 from the exterior to the interior, and setting the bag body 10 for forming a seamless bag; and
- f) completing a handbag 11 by stitching and shaping as shown in FIG. 6.

According to the above manufacturing method and referring to FIG. 2, 20 setting yarns are added for first weaving into the bag body 10. The bag

body 10 is accommodated around the mold 20, heated by means of steam or other heat sources, and cooled by cold air. The bag body 10 is set as shown in FIG. 4, and the handbag 11 free from stitching edges and hemlines is completed after stitching and shaping as shown in FIG. 6, thereby successfully presenting a sense of cutting edge and fulfilling requirements for those who pursue the vogue.

Moreover, the bag body 10 is directly weaved and shaped from yarns without producing seams, and can be directly weaved and shaped using automatic weaving machines without undergoing cutting and stitching. As a result, complications and inconveniences of manual processing are decreased, and hence achieving mass production for lowering production costs.

Referring to FIG. 5 showing another embodiment according to the invention, the bag body 10 is accommodated around a hollow mold 21. Steam or other heat sources are utilized to heat the mold 21 from an interior to an exterior, so as to have the bag body 10 heated from an interior to an exterior. Next, cold air is guided into the hollow mold 21, such that the cold air cools and sets the heated bag body 10 from the interior to the exterior, thereby similarly accomplishing the aforesaid setting effects.

The bag body 10 may also be weaved as being circular, square-like or rectangular in shape, and can be made into the handbag 11 or other bags of the like for offering diversified styles and adapting to market demands.

5     It is of course to be understood that the embodiments described herein are merely illustrative of the principles of the invention and that a wide variety of modifications thereto may be effected by persons skilled in the art without departing from the spirit and scope of the invention as set forth in the following claims.

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